Operating Instructions Part 1
Connection and setup

UFS 924
English

Safety instructions - important notes 2

Items supplied 5

Connection and setup 6

Front/rear view of the receiver (front flap open) 6

Inserting batteries into the remote control 8

Connecting the receiver 9

TV connection 9

Audio connection 10

Digital 10

Analogue 10

Connecting up the video/DVD recorder 10

Information about antenna connection and loop-through mode 11

First installation 12

Network/Internet access 44

Common Interface (CI)/Smartcard reader 46

Inserting the Smartcard and the CI Module 46

Troubleshooting 47

Service 48

Technical Appendix 49

Advanced connection example 49

Technical data 50

Sat IF connection examples 51

Individual reception systems 51

Community antenna network systems (4 x Sat IF) 51

Community antenna systems (8 x Sat IF), Multifeed 52

Community antenna systems (16 x Sat IF), Multifeed 52

Single cable systems 53

Connection Examples for the Network Function 55

DHCP (Receiver): ON 55

DHCP (Receiver): ON 56

DHCP (Receiver): ON 57

DHCP (Receiver): OFF 58

DHCP (Receiver): OFF 59

DHCP (Receiver): OFF 60

For your notes 61

Red Bull MEDIA HOUSE

CI+

An Internet connection is required for the use of the Red Bull MEDIA HOUSE PORTAL. See “Network/Internet access” after first installation.

If you do not know the configuration of your satellite reception system, contact your specialist dealer for the first installation of your receiver.

KATHREIN

Antennen · Electronic

Safety instructions - important notes

These two pages contain important information about the operation, installation location and connection of the unit. Read these instructions carefully before setting up the unit.

Danger!

Mains power cable

Make sure that the mains cable (power supply cable) is not damaged. Units with a damaged mains cable must be disconnected from the mains (unplug it at the socket) and repaired by an electrical specialist before setup. Only use the power supply unit supplied (if available)!

Mortal danger due to electric shock!

Cleaning

Disconnect the mains plug before cleaning the unit. Use a dry cloth for cleaning and only clean the outer surface. Never open the casing of the unit.

Touching the parts inside the unit carries a risk of death due to electric shock!

Playing children

Make sure that children do not push any objects into the ventilation slots.

Mortal danger due to electric shock!

Warning!

Earthing

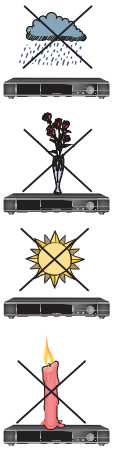
The antenna system must be earthed as specified or equipotentially bonded.
EN 60728/11 and any national regulations must be complied with.

Risk of voltage surges due to lightning strikes!

Power supply voltage

Only operate the unit at the specified mains voltage (indicated on the rear of the unit or on the external power pack). The unit may only be connected to the mains and turned on once it has been connected to the antenna and to the TV set or the cable network and PC.

If the mains voltage is too high, there is a risk of fire!



Moisture, direct sunlight, heat, naked flames

Protect the unit against moisture, dripping and splashed water (do not place any filled objects such as vases on top of the unit). Do not place the unit close to a heater or expose it to direct sunlight and do not operate it in damp locations. Only use the unit in a moderate climate, not in tropical conditions! Do not place nakedf ames such as candles on top of the unit!

There is a risk of fire!

Batteries

If your unit was supplied with batteries (e.g. for the remote control), take care that the batteries are not exposed to excessively high temperatures, direct sunlight or fire. Replace the batteries only with types that are identical or equivalent, otherwise the batteries or the remote control may be damaged. Also comply with the safety instructions stated on the batteries:

There is a risk of explosions!

Warning!

Warning!

Ventilation

The heat generated in this unit is adequately dissipated. However, the unit should never be installed in a cupboard or on shelves with inadequate ventilation. Never cover the cooling slots on the unit (e.g. with other equipment, magazines, tablecloths, clothing or curtains)!

Do not cover

→

Safety instructions - important notes

Do not place any objects on top of the unit. Unless stated to the contrary in the “Connection and set-up” and “Installation” sections in the instructions supplied, maintain a clearance of at least 10 cm above the unit, 2 cm to either side and 5 cm behind the unit, to allow unobstructed dissipation of the heat generated.

There is a risk of fire!

Caution!

Repair

Ensure that any repairs to your unit are carried out by qualif ed personnel. Opening the unit and attempting to repair it yourself will void all warranty claims!
Improper work on the unit may jeopardise the electrical safety of the unit.

The manufacturer accepts no liability for accidents caused by the user opening the unit!

Connections

Incorrect wiring of the connections may lead to malfunctions or defects on the unit!

Periods of extended absence, thunderstorms, mains socket accessibility

In order to disconnect the unit from the mains completely, the mains plug must be unplugged from the mains power socket! Therefore install the unit close to a mains socket and make sure this socket is accessible at all times, so that you can disconnect the unit from the mains if necessary.
If you are away for an extended period, and during thunderstorms, always switch the unit off at the mains and unplug the power plug from the socket. This also applies to the other equipment connected to the unit. Isolation from the cable network is also recommended. Note any timer programming (receiver) and turn the unit on again promptly before the recording time.

Installation location

All electronic equipment generates heat. However, the heating of this unit lies within the permissible range. Sensitive furniture surfaces and veneers may become discoloured by the effects of constant heat over time. The feet of the unit can also cause colour changes to treated furniture surfaces. If necessary, place the unit on a suitable stable and f at base!

Electronic equipment is not domestic waste - it must be disposed of properly in accordance with Directive 2002/96/EC OF THE EUROPEAN PARLIAMENT AND THE COUNCIL dated 27th January 2003 concerning used electrical and electronic appliances.
At the end of its service life, take this receiver for disposal at a designated public collection point.

<u>Used batteries are special waste!</u>

Do not throw used batteries into your household waste; take them to a collection point for old batteries!

Safety instructions - important notes

Product return/original packaging

Please keep the original packaging in case you need to return the product at any time. The receivers are fragile due to their construction and are only adequately protected by the original packaging. If the receiver is not shipped correctly the guarantee/warranty on it will be voided.

Fan/ventilation slots on the unit

Warning!

Make sure that the fan at the rear of the unit and the ventilation slots on the unit are not blocked or covered in any way. The unit may otherwise overheat. Adjust the fan speed to the temperature conditions in the receiver.

There is a risk of fire!

Instructions on how to set the fan can be found in the section “Mainmenu”, “Settings”, “Basic Settings”, “Fan Control”.

Switching the receiver off

Before you disconnect the receiver from the mains, you must switch it to the standby mode by pressing the standby button (on/off) on the remote control. In standby mode, any changed or new data that are broadcast will be saved by the receiver. As soon as the receiver is in the standby mode, it can be disconnected from the mains at any time.

You must not disconnect the receiver from the mains while it is in operation! This can lead to a loss of data and corruption of the software.

Other

The information in these operating instructions was correct at the time of going to print. We reserve the right however to make changes at any time and without prior notice. If new software is released for your receiver, and this affects the information in the operating instructions (e.g. changes to the menus and/or functions), and if we believe it necessary we will make new operating Instructions available for download on “www.kathrein.de”.

Make a note of the receiver's basic settings (these are set during first installation) so you can restore them if necessary!

Please be aware of your responsibility towards your fellow human beings. Keep these instructions for any questions that arise later, and if the receiver passes to another owner, pass them on to the new owner.

Items supplied

- UFS 924
- Remote control RC 677
- HDMI cable
- Power cable
- 2 batteries AAA 1.5 V
- Operating Instructions (Part 1, 2 and 3)
- Safety instructions (multi-lingual)

The accessories supplied may differ in appearance from those illustrated!

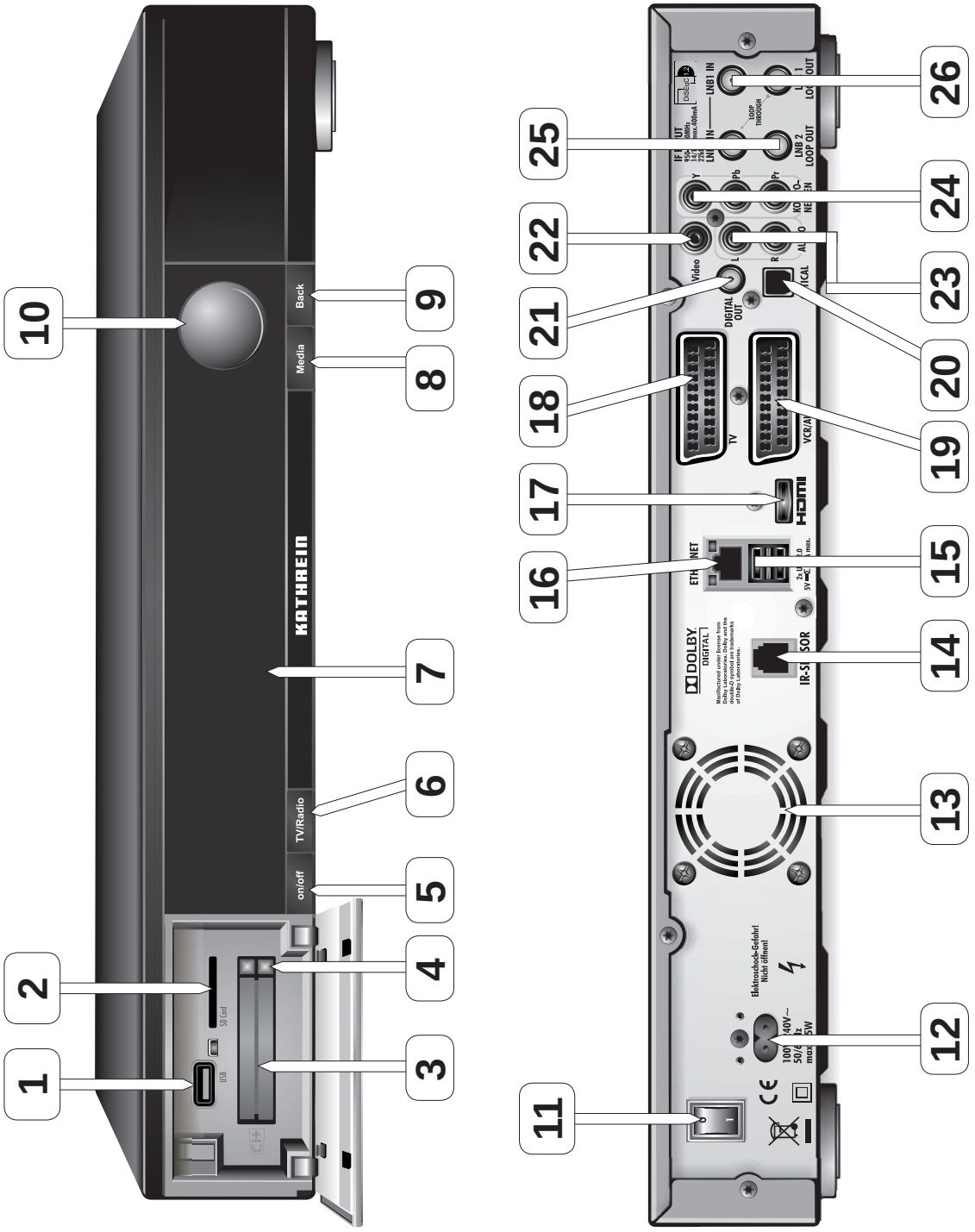
Power cable

Loop-through cable

HDMI cable

Batteries

Front/rear view of the receiver (front flap open)



Connection and setup

Front view (f ap open)*):

1. USB 2.0 port
2. SD card reader
3. Common Interface for two CI+/CI modules for Pay-TV cards **)
4. A button to release each CI module
5. On/Off button (operation/standby)
6. TV/radio button
7. 256 x 64 pixel full graphic display
8. Media button (recording archive, as on remote control)
9. Back button (back/cancel, as on remote control)
10. Multi-function control dial

Rear view:

11. On/Off switch ***)
12. Mains power cable
13. Fan
14. Socket for infrared sensor (optional, is not part of the product package)
15. 2 x USB 2.0 ports (USB-A connectors)
16. Network connection (Ethernet)
17. HDMI connection
18. Scart socket for TV connection
19. Scart socket for VCR/AUX connection
20. Optical data stream output (SPDIF/ Sony Philips Digital Interface Format) for Dolby Digital AC 3 audio
21. Electrical digital data stream output (SPDIF/Sony Philips Digital Interface Format) for Dolby Digital AC 3 audio
22. Video output (CVBS)
23. Audio outputs (L/R) – cinch sockets
24. 3 x Cinch connections for component outputs (Y/Pb/Pr)
25. LNB 2 input (LNB2 IN) and loop-through output (LNB2 LOOP OUT)
26. LNB 1 input (LNB1 IN) and loop-through output (LNB1 LOOP OUT)

*) Flap is opened by gently pulling on its top left-hand edge

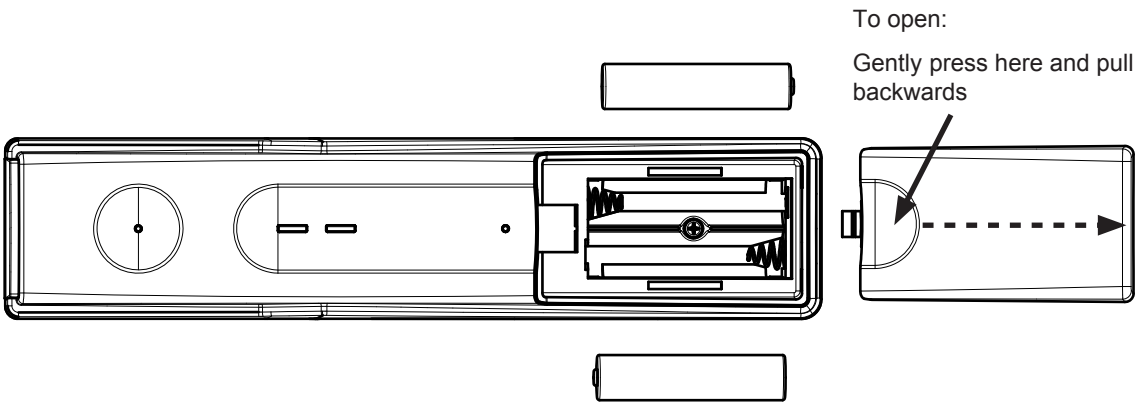
**) CI+/CI modules and Smartcards are not included in the product package

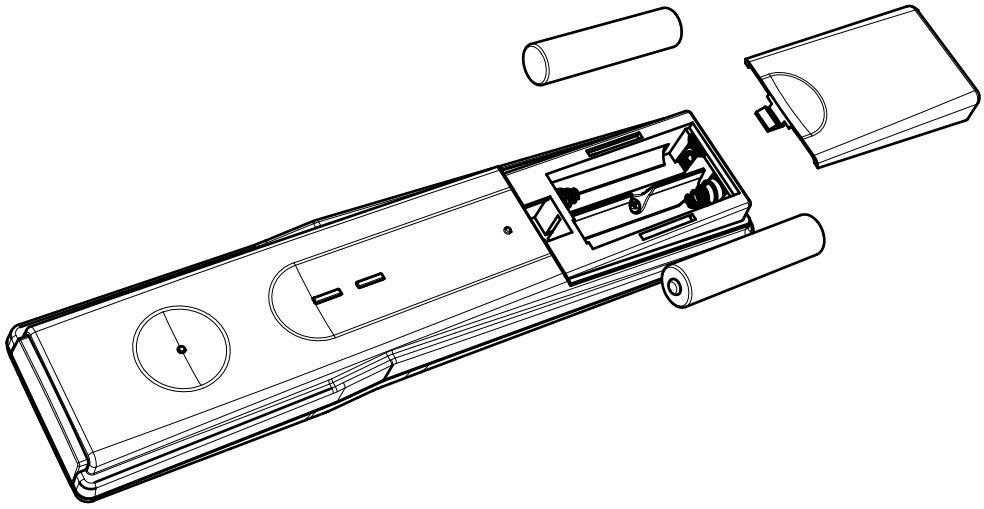
***) Pressing the Off switch does not full disconnect the unit from the mains (see the sections “Safety Instructions - Important Notes” and “Periods of extended absence, thunderstorms, mains socket accessibility”)

Connection and setup

Inserting batteries into the remote control

Remove the cover on the rear of the remote control. Insert the two batteries supplied into the remote control. Ensure correct polarity of the batteries; the + and – markings are indicated inside the battery compartment. Slide the cover back onto the housing until it locks in place.





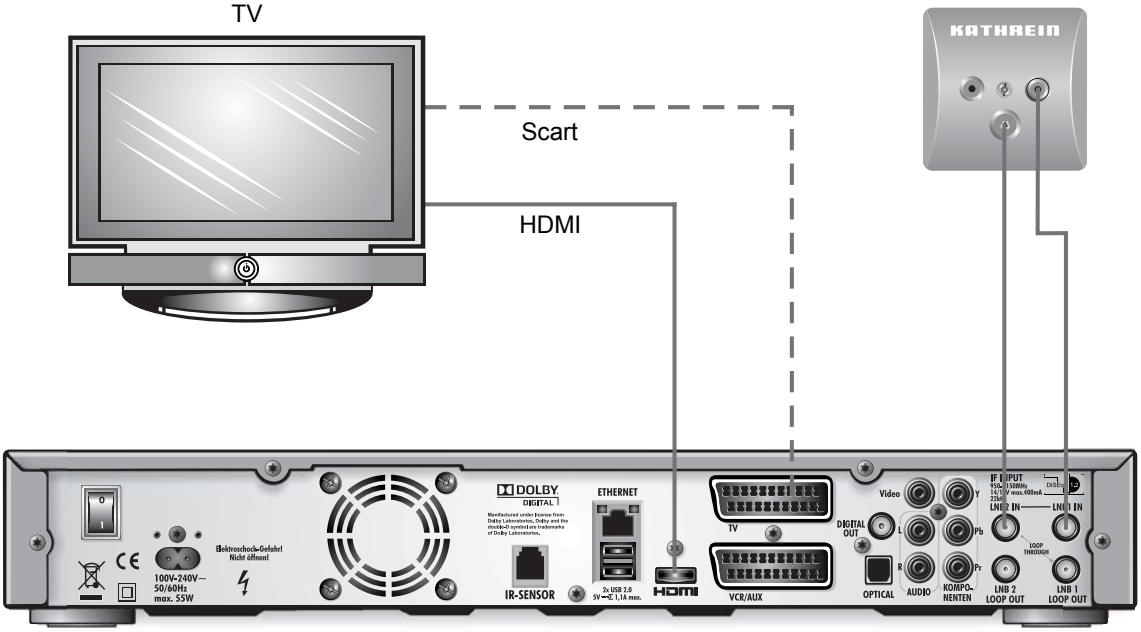
Connection and setup

Connecting the receiver

If you do not know the configuration of your satellite reception system, contact your specialist dealer.

Connect the Sat IF inputs on the receiver to the satellite reception system.
Use coaxial cable with an F standard connector (see illustration on right).

Conventional DiSEqC™ system



TV connection

Connect the satellite receiver (HDMI or alternatively TV Scart socket) and the TV set using a HDMI or Scart cable (see the connection example above).

Connection and setup

Audio connection

Digital

There are two ways you can access the digital audio.

HDMI

The stereo audio is transmitted to your TV set via the HDMI interface. If your TV set also supports Dolby Digital, you can also receive the Dolby Digital audio via the HDMI interface (providing it is broadcast by the channel provider). Refer to the operating instructions for your TV set for more information.

SPDIF Dolby Digital output (electrical/optical)

The SPDIF outputs are intended for the connection of a Dolby Digital system (see “Advanced connection example” in the technical appendix). Connect the SPDIF output (electrical or optical) to the Dolby Digital system using an appropriate cable.

Analogue

If you want to play the sound on your hi- f system, connect the audio cinch sockets to the input sockets on the hi- f system, using an appropriate cable (see “Advanced connection example” in the technical appendix).

Connecting up the video/DVD recorder

Connect the satellite receiver (VCR/AUX Scart socket) to the video recorder/DVR using a Scart cable. To play back a DVD, i.e. output the signal from the DVR through the receiver on the TV set, the TV set must also be connected to the receiver with a Scart cable. This is necessary because the video signal from the VCR Scart socket of the receiver is not looped through/forwarded to the HDMI output of the receiver.

Tip!

If you make a recording with an external video/DVD recorder, note the following:

- If the receiver is started automatically by means of a timer recording, there will be no image on your TV set or recorder. You will have to switch on the receiver manually using the Standby button (on/off) as well!
- If the receiver is operated while recording is in progress, all on-screen displays will be recorded as well!

SPDIF = Sony Philips Digital Interface Format (digital output for Dolby Digital AC 3 audio)

Connection and setup

Information about antenna connection and loop-through mode

To enable you to make full use of all the reception and recording features of your twin-DVR HDTV Sat receiver, such as

1. recording one programme while viewing any other programme or channel zapping, and
2. recording two different programmes at the same time,

the two tuner inputs of the satellite receiver must each be supplied with a dedicated satellite signal from the antenna system/Sat outlet (unless connected to a single-cable system).

The receiver tuner inputs are factory preset in the installation menu to work with two separate Sat antenna connections.

In cases where only one antenna connection is available (with the exception of single-cable systems), “Loopthrough” must be selected for “Tuner 2 Connection type” in the “First Installation” settings (see the section “First Installation”). Press the MENU button to access the “Tuner Configuration” menu option, then select “Settings” and “First Installation”. Go through step by step until you get to the tuner configuration. You can define the settings here. Though a restriction on this is that with Tuner 2 you can only receive the additional channels of the plane currently set by Tuner 1 (e.g. Horizontal High). From this point on only the channels that can be selected are displayed in the channel list.

This will only work when receiving one satellite, not in multifeed reception! (Multifeed reception: simultaneous reception of several satellites)

First Installation
Mon 16:00
Step 3: Tuner Configuration
Tuner 1 & 2: DiSEqC 1.0
OneCable System Used : No
Tuner 2 Connection type : Loopthrough

If you want to operate your UFS 924 on a OneCable system, please refer to the connection examples for OneCable systems (see “Technical appendix”, “Examples of OneCable systems”)

Connection and setup

First installation

Before you start to use the UFS 924, read the sections “Safety instructions - Important instructions”, “Important information” and “Connection and set-up” through to the item “First Installation”.

Do not connect the unit to the mains until all installation work has been properly carried out.

The guidance provided in the “First Installation” section assumes that the receiver has been properly connected as per the “Safety Instructions - Important Information” and “Connection and set-up” sections through to the “First Installation” section.

Buttons required for remote control during f rst installation:

0 ... 9	Number input	(green)	Call up the next step in the f rst installation
(red)	Go back one step in the f rst installation	OK	Conf rm the changed values/setting; call up the submenus
	Select/change individual menu parameters, navigation		
BACK	Cancel input, go back		

First switch your TV set on and select the AV-/HDMI input you have used to connect the receiver to your TV set. Switch on the receiver at the power switch on the rear of the unit. Now perform the f rst installation. If you have any questions or encounter problems, contact your specialist dealer.

The following on-screen display appears:

Tip!

Always pay attention to the bar at the bottom of the on-screen display. Messages here provide information on what to do next.

Use the ▲▼ buttons to select the desired menu language for your UFS 924 and con f rm your selection using the OK button. The selected language is indicated with a tick. The following languages are available: German, English, French, Italian, Spanish, Czech, Dutch, Polish, Turkish and Russian.

Press the (green) button to move to the next menu.

The following on-screen display appears:

Use the buttons here to select the basic settings for the video and audio output of the receiver to the TV set.

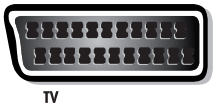
First Installation
Mon 15:55
Step 2: TV, Video and Audio
Video Output via : HDMI / YPbPr
HDMI / YPbPr Resolution : 1080i
Force 576i : Off
HDCP for free channels : On
TV control box via HDMI (CEC) : Off
Show 4:3 Event : Normal (Pillarbox)
Audio Format via HDMI : Decoded PCM
Auto Dolby Digital Output : Off
Press to set the video output via HDMI/YPbPr or SCART
Cancel
Back
Forward to the next step

For this, refer to the operating instructions for your TV set and take care to select only those settings that your TV set can process.

Video Output via

Select the connection on the receiver to which you have connected your television. Either

HDMI/YPbPr **or** **SCART**



HDMI/YPbPr Resolution

Here you can select the video resolution that will be output at the TV set. Either

- 1080p (resolution 1920 x 1080, full-screen images)
- 1080i (resolution 1920 x 1080, half-screen images)
- 720p (resolution 1280 x 720, full-screen images)
- 576p (resolution 720 x 576, full-screen images) or
- Automatic

Force 576i (must be supported by the TV set otherwise you will not see a TV picture)

You can only and need only make this setting if you have selected the setting “Automatic” for “HDMI/YPbPr Resolution”. If for a programme that is transmitted in the format 720 x 576

TV Aspect Ratio

The aspect ratio of your TV's picture is selected here. Either

- 4:3 or
- 16:9

Picture Format

Select the type of screen display , depending on your setting for the aspect ratio:

- TV aspect ratio “4:3”: Pan & Scan or Letterbox
- TV aspect ratio “16:9”:Always 16:9 or automatic

(standard TV), the original format is to be transmitted to the TV set, select the “On” setting. If the setting is “Of f”, the programme may be automatically scaled up to the HDTV format 720p by the receiver.

HDCP for free channels

Select here whether HDCP(digital copy protection) is to be constantly set to “On” with free channels or is not to be activated, “Off”.

TV control box via HDMI (CEC)

If you select “Of f”, the TV set must be switched on or of f separately. If you select “On”, the TV set will be switched on automatically as the receiver starts up (but only if the TV set was in stand-by mode). If the receiver is switched off into standby mode, the TV set will also be switched to standby mode.
Automatically switching the TV set on/off by the receiver is available only if the TV set supports this function!

Show 4:3 Event

Here you can select the type of screen display mode for 4:3 broadcasts on a 16:9 TV set. Either

- Normal (Pillarbox)
- Stretched (full screen) or
- Zoom in (Pan & Scan)

Audio Format via HDMI

Here you can select the type of audio signal that is transmitted by the HDMI interface. Select the signal that your TV set can process:

- PCM (Stereo) or
- S/PDIF format (multichannel)

Auto Dolby Digital Output:

Here you can select whether the receiver should automatically select the Dolby Digital soundtrack (if this is transmitted).

TV-SCART-Output

Select the type of video signal at the TV Scart socket here. Select the signal that your TV set can process.

- CVBS – composite video (Composite V ideo, Blanking, and Sync) signal or
- RGB – red/green/blue signal or
- Y/C – S-Video signal (luminance/chrominance)

TV-SCART-Output

Select the type of video signal at the VCR Scart socket here. Select the signal that your external recorder can process.

- CVBS – composite video (Composite V ideo, Blanking, and Sync) signal or
- Y/C – S-Video signal (luminance/chrominance)

Important instruction for picture output using “YPbPr”:

The “YPbPr” outputs can only be used if “RGB” is not selected as the output signal for the TV Scart socket!
In this case, select “Y/C” or “CVBS” as the output signal for the TV Scart socket.

Press the (green) button to move to the next menu.

The following on-screen display appears:

First Installation
Mon 15:56
Step 3: Tuner Configuration
Tuner 1: DiSEqC 1.0
Tuner 2: DiSEqC 1.0
OneCable System Used : No
Tuner 2 Connection type : Separated
Tuner 2 Signal Configuratio: Same with Tuner 1
Tuner 1 : DiSEqC 1.0
Tuner 2 : DiSEqC 1.0
Press to select the use OneCable system
Cancel
Back
Forward to the next step

Tip!

If your receiver is connected up as in the connection example (see the illustration in “Connecting the receiver” in this section), only one change/selection is necessary in the rest of the first installation. If you are not familiar with the details of your reception system, note the following:

In many cases the satellite reception system is a DiSEqC™1.0 system. This type of system is preset. Confirm the current on-screen displays using the (green) button. Using the buttons you then select the required satellites in the satellite selection (in Germany usually ASTRA 19.2° East) and confirm your choice with the button. Confirm the rest of the on-screen displays during the first installation using the (green) button. This process cannot damage your reception system! If there is no TV picture at the end of the first installation, contact your specialist dealer.

You should perform the tuner configuration/make changes yourself only if you are fully familiar with the particulars of your reception system.

Connection and setup

You can set up the tuner conf guration for the following types of reception systems:

- DiSEqC™1.0
- DiSEqC™1.1
- Motorized antenna (DiSEqC™1.2/DiSEqC™1.3) USALS
- Simple LNB or
- Single-cable system

If your reception system is a OneCable system, go to the “OneCable System” option in this section and continue from there.

Before you start con f guring the tuner you must f rst set both the “T uner 2 Connection type” and “T uner 2 Signal Conf guration” settings.

Tuner 2 Connection type

Select the connection type for Tuner 2 here. The currently selected setting is shown graphically in the connection example at the top left of the screen. Either:

Separated:

The second tuner input of the receiver (LNB2 IN) receives its own signal input (i.e. there is a direct connection between the antenna socket and tuner input 2). See example illustration on the right.

First Installation
Mon 15:57
Step 3: Tuner Configuration
Tuner 1: DiSEqC 1.0
Tuner 2: DiSEqC 1.0
OneCable System Used : No
Tuner 2 Connection type : Separated
Tuner 2 Signal Configuratio: Same with Tuner 1
Tuner 1 : DiSEqC 1.0
Tuner 2 : DiSEqC 1.0
Press to select the tuner 2 connection type
Cancel
Back
Forward to the next step

Loopthrough:

The current signal received at the Tuner 1 loop-through output is looped through to the second tuner input of the receiver (LNB2 IN). In this case, the second tuner can only receive the channel level currently being received by the f rst tuner. See example illustration on the right.

See also “Information about antenna connection and loop-through mode” earlier in this section.

First Installation
Mon 15:58
Step 3: Tuner Configuration
Tuner 1 & 2: DiSEqC 1.0
OneCable System Used : No
Tuner 2 Connection type : Loopthrough
Tuner 1 & 2 : DiSEqC 1.0
Press to select the tuner 2 connection type
Cancel
Back
Forward to the next step

Tuner 2 signal configuration (with connection type “Separated” only)

Select the signal conf guration for Tuner 2 here. The currently selected setting is shown graphically in the connection example at the top of the screen. Either:

Same with Tuner 1:

Both tuners are connected to the same signal source. See example illustration on the right.

First Installation
Mon 15:58
Step 3: Tuner Configuration
Tuner 1: DiSEqC 1.0
Tuner 2: DiSEqC 1.0
OneCable System Used : No
Tuner 2 Connection type : Separated
Tuner 2 Signal Configuration: Same with Tuner 1
Tuner 1 : DiSEqC 1.0
Tuner 2 : DiSEqC 1.0
Press to select the tuner 2 signal configuration
Cancel
Back
Forward to the next step

Different from Tuner 1:

The two tuners are connected to dif ferent signal sources (separate cables from the LNB). See example illustration on the right.

First Installation
Mon 15:59
Step 3: Tuner Configuration
Tuner 1: DiSEqC 1.0
Tuner 2: DiSEqC 1.0
OneCable System Used : No
Tuner 2 Connection type : Separated
Tuner 2 Signal Configuration: Different from Tuner 1
Tuner 1 : DiSEqC 1.0
Tuner 2 : DiSEqC 1.0
Press to select the tuner 2 signal configuration
Cancel
Back
Forward to the next step

The following conf guration options are available for:

Tuner 2 connection type “Separated”/Tuner 2 signal configuration “Same with Tuner 1”:

All settings are made on Tuner 1. The settings for the second tuner are automatically taken from the f rst tuner.

Tuner 2 connection type “Loopthrough”:

All settings are made on Tuner 1. The second tuner is fed from the f rst tuner.

Tuner 2 connection type “Separated”/Tuner 2 signal configuration “Different from Tuner 1”:

All settings must be made separately for the two tuners.

Use the buttons to set the parameters “T uner 2 Connection type” and “T uner 2 Signal Conf guration” appropriate to the setting for your reception system.

Now continue as described for the type of reception you selected in the first installation.

DiSEqC™1.0

First Installation
Mon 16:01
Step 3: Tuner Configuration
Tuner 1: DiSEqC 1.0
Tuner 2: DiSEqC 1.0
OneCable System Used : No
Tuner 2 Connection type : Separated
Tuner 2 Signal Configuratio: Same with Tuner 1
Tuner 1 : DiSEqC 1.0
Tuner 2 : DiSEqC 1.0
Press OK to configure and select the reception system for tuner 1
BACK Cancel
Back
Forward to the next step

Press the (green) button.

You now see the following on-screen display:

Tuner Configuration (satellite selection) - Tuner 1

Select the number of satellites present in the signal at the tuner 1 (four max.).

First Installation
Mon 16:02
Step 4: Tuner Configuration - Tuner 1
Number of Satellites : 1
Satellite 1: 19.2 E ASTRA
Press to select the Number of Satellites
BACK Cancel
Back
Forward to the next step

Go to the “Satellite 1: .....” line.

Press the OK button.

The following on-screen display appears (example):

Configuration Satellite 1

Def ne the settings for the f rst satellite for Tuner 1 here.

Satellite:

Select the desired satellite using the buttons. Alternatively you can press the OK button to view a list of all stored satellites then select the required satellites from this list.

LNB Type:

If your reception system does not have a universal LNB, use the buttons to select the LNB types that are used in your reception system. You can choose from the following LNB types:

- Universal
- Simple or
- User-def ned

Refer to the documentation for your LNB or seek assistance from a specialist engineer.

If you do not use a Universal LNB, press the OK button. You can now make the settings for your LNB type (simple or user-def ned).

LNB Frequencies (MHz):

Enter the LNB frequencies (Low/High/Limit) using the number pad. Now use the OK button to save the new values.

DiSEqC™ Repeat:

The setting for how often the DiSEqC™ command must be repeated depends on the con f guration of your reception system.

- Off DiSEqC™ command is not repeated
- 1 DiSEqC™ command is repeated once
- 2 DiSEqC™ command is repeated twice
- 3 DiSEqC™ command is repeated three times

Refer to the documentation for your reception system or seek assistance from a specialist engineer.

Test-Transponder:

Select the “Test-Transponder” f eld. Here you can select a transponder for checking whether your settings are correct using the signal strength bar and signal quality bar.

When you have completed all settings for this satellite, press the BACK button.

If you have selected more than one satellite (four max.) for Tuner 1, you can now de f ne the settings as described above for the f rst satellite, for the second satellite and then for the third and fourth satellites, if selected.

When you have completed all settings for Tuner 1, press the (green) button.

If necessary, the receiver will automatically skip to the settings for the second tuner (assuming that for the second tuner you selected the type of connection “Separated” and set the signal con f guration to “Different from Tuner 1”). If this is the case, you should now de f ne the settings for the second tuner in the same way as you did for the f rst tuner.

Once you have completed the settings for both tuners and the satellites assigned to them, the receiver will automatically display the screen for the channel search. Continue the f rst installation with the “Channel Search” section.

DiSEqC™1.1

First Installation
Mon 16:05
Step 3: Tuner Configuration
Tuner 1: DiSEqC 1.1
Tuner 2: DiSEqC 1.1
OneCable System Used : No
Tuner 2 Connection type : Separated
Tuner 2 Signal Configuration: Same with Tuner 1
Tuner 1 : DiSEqC 1.1
Tuner 2 : DiSEqC 1.1
Press OK to configure and select the reception system for tuner 1
BACK Cancel
Back
Forward to the next step

Press the (green) button.

The following on-screen display appears:

Tuner Configuration - Tuner 1

On the “Satellite” line, select the first satellite location. You can use/assign up to 64 satellite locations per tuner.

Now go to the next line.

Press the OK button.

The following on-screen display appears:

Satellite:

Select the desired satellite using the buttons. Alternatively you can press the OK button to view a list of all stored satellites then select the required satellites from this list.

LNB Type:

If your reception system does not have a universal LNB, use the buttons to select the LNB types that are used in your reception system. You can choose from the following LNB types:

- Universal
- Simple or
- User-def ned

Refer to the documentation for your LNB or seek assistance from a specialist engineer.

If you do not use a Universal LNB, press the OK button. You can now de f ne the settings for your LNB type (simple or user-def ned).

LNB Frequencies (MHz):

Enter the LNB frequencies (Low/High/Limit) using the number pad. Now use the OK button to save the new values.

Refer to the documentation for your reception system or seek assistance from a specialist engineer.

Uncommitted Switch

Set the “Uncommitted Switches” here to match the conf guration of your reception system. You can select “Off” or a value from “1” to “16” in single unit increments.

SatPos

Select the f eld “Position”. Set the “SatPos” here to match the con f guration of your reception system. You can select “Off” or a value from “1” to “4” in single unit increments.

DiSEqC™ Repeat:

The setting for how often the DiSEqC™ command must be repeated depends on the con f guration of your reception system. Refer to the documentation for your reception system or seek assistance from a specialist engineer.

- Off DiSEqC™ command is not repeated
- 1 DiSEqC™ command is repeated once
- 2 DiSEqC™ command is repeated twice
- 3 DiSEqC™ command is repeated three times

Test-Transponder:

Select the “Test-Transponder” f eld. Here you can select a transponder for checking whether your settings are correct using the signal strength bar and signal quality bar.

When you have completed all settings for this satellite, press the BACK button.

If you wish to set up more than one satellite (64 max.) for Tuner 1, def ne the settings as just described for the f rst satellite, for the second satellite and for any further satellites.

When you have completed all settings for Tuner 1, press the (green) button.

If necessary, the receiver will automatically skip to the settings for the second tuner (assuming that for the second tuner you selected the type of connection “Separated” and set the signal con f guration to “Different from Tuner 1”). If this is the case, you should now de f ne the settings for the second tuner in the same way as you did for the f rst tuner.

Once you have completed the settings for both tuners and the satellites assigned to them, the receiver will automatically display the screen for the channel search. Continue the f rst installation with the “Channel Search” section.

Motorized antenna (DiSEqC™1.2/DiSEqC™1.3)

First Installation
Mon 16:09
Step 3: Tuner Configuration
Tuner 1: Motorized Antenna
Tuner 2: Motorized Antenna
OneCable System Used : No
Tuner 2 Connection type : Separated
Tuner 2 Signal Configuratio: Same with Tuner 1
Tuner 1 : Motorized Antenna
Tuner 2 : Motorized Antenna
Press OK to configure and select the reception system for tuner 1
Cancel
Back
Forward to the next step

Press the (green) button.

The following on-screen display appears:

Select the type of motor control suitable for your reception system.

Refer to the documentation for your reception system or seek assistance from a specialist engineer.

Motorised antenna (DiSEqC™1.2)

Go to Null Position

Select the “Go to Null Position” selection field. Press the OK button to instruct the turntable to move to its null position.

Set Borders

Select the “Set Borders” selection field. In this menu you can set the borders for your turntable. This is particularly necessary if the turntable has only a restricted range in which it may turn before striking an obstruction (such as a wall or tree).

Press the OK button. The following on-screen display appears:

The following buttons allow you to control the movement of the turntable:

- Start slow rotation to West
- Rotate to the West step by step
- Stop the current movement
- Rotate to the East step by step
- Start slow rotation to the East

Once you have reached the desired “East”/“West” border, switch to the respective field “Set current position for “****” border” and press the OK button to confirm.

If you subsequently want to delete the set borders, switch to the “Reset border positions” field and press the OK button to confirm deletion of the borders. You can now set new values for the limits. Once you have set all the borders, press the BACK button.

Select Satellites - Tuner 1

Go to the “Select Satellite” line. Press the OK button.

The following on-screen display appears (example):

First Installation
Step 4: Tuner Configuration - Tuner 1
Select Satellite
1 19.2 E ASTRA 19.2 E
2 13.0 E HOTBIRD 13.0 E
3 42.0 E TURKSAT 42.0 E
4 23.5 E ASTRA 23.5 E
5 28.2 E ASTRA 28.2 E
6 5.0 E SIRIUS 4 5.0 E
7 7.0 E EUTELSAT W3A 7.0 E
8 9.0 E EUROBIRD 9 9.0 E
9 10.0 E EUTELSAT W1 10.0 E
Selected Satellite:
ASTRA 19.2 E

Here, select up to 64 satellites to be included in the signal on Tuner 1. Select the satellite you want and confirm your selection with the OK button. The selected satellites will be identified with a tick.

First Installation
Step 4: Tuner Configuration - Tuner 1
Select Satellite
1 19.2 E ASTRA 19.2 E
2 13.0 E HOTBIRD 13.0 E
3 42.0 E TURKSAT 42.0 E
4 23.5 E ASTRA 23.5 E
5 28.2 E ASTRA 28.2 E
6 5.0 E SIRIUS 4 5.0 E
7 7.0 E EUTELSAT W3A 7.0 E
8 9.0 E EUROBIRD 9 9.0 E
9 10.0 E EUTELSAT W1 10.0 E
Selected Satellite:
ASTRA 19.2 E

When you have selected the desired satellites, press the BACK button.

Configure Satellites

Go to the “Configure Satellites” line. Press the OK button.

The following on-screen display appears (example):

On the “Satellite” line select the satellite whose settings you wish to edit.

Satellite:

Select the desired satellite using the buttons. Alternatively you can press the button to view a list of all satellites which you have previously selected, then select the required satellites from this list.

LNB Type:

If your reception system does not have a universal LNB, use the buttons to select the LNB types that are used in your reception system. You can choose from the following LNB types:

- Universal
- Simple or
- User-def ned

Refer to the documentation for your LNB or seek assistance from a specialist engineer.

If you do not use a Universal LNB, press the button. You can now de f ne the settings for your LNB type (simple or user-def ned).

LNB Frequencies (MHz):

Enter the LNB frequencies (Low/High/Limit) using the number pad. Now use the button to save the new values.

Test-Transponder:

Select the “T est-Transponder” f eld. Here you can select a transponder for checking whether your settings are correct using the signal strength bar and signal quality bar.

Stop on Signal:

Select the selection f eld “Stop on Signal”. Here, you can select whether the turntable antenna should stop its rotary movement immediately on reception of a signal from the desired satellite. You can choose between “On” and “Off”.

Move Antenna:

Select the “Move Antenna” f eld. Here you can control the movements of the motorised antenna, using the following buttons:

Start slow rotation to West

Rotate to the West step by step

Stop the current movement

Rotate to the East step by step

Start slow rotation to the East

Set the turntable so that both of the bars “Signal-Strength” and “Signal-Quality” on the right of the screen show the highest available percentage values.

When you have reached the best possible signal strength, move to the “Store actual position” line and press the OK button. The receiver will now save these values for this satellite and skip automatically to the setting for the next satellite.

If you have selected more than one satellite for Tuner 1, define the settings as just described for the first satellite, for the second satellite and for any other selected satellites.

When you have completed all settings for the selected satellites, press the BACK button.

When you have completed all settings for Tuner 1, press the (green) button.
If necessary, the receiver will automatically skip to the settings for the second tuner (assuming that for the second tuner you selected the type of connection “Separated” and set the signal configuration to “Different from Tuner 1”). If this is the case, you should now define the settings for the second tuner in the same way as you did for the first tuner.

Once you have completed the settings for both tuners and the satellites assigned to them, the receiver will automatically display the screen for the channel search. Continue the first installation with the “Channel Search” section.

Motorized antenna (DiSEqC™1.3)

My Longitude

Select the f eld “My Longitude” and use the number pad here to enter your actual longitude.

My Latitude

Select the “My Latitude” f eld and use the number pad to enter your actual latitude.

Go to Null Position

Select the “Go to Null Position” selection f eld. Press the OK button to instruct the turntable to move to its null position.

Set Borders

Select the “Set Borders” selection f eld. In this menu you can set the borders for your turntable. This is particularly necessary if the turntable has only a restricted range in which it may turn before striking an obstruction (such as a wall or tree).

Press the OK button. The following on-screen display appears:
The following buttons allow you to control the movement of the turntable:

Start slow rotation to West

Rotate to the West step by step

Stop the current movement

Rotate to the East step by step

Start slow rotation to the East

Once you have reached the desired “East”/“West” border, switch to the respective f eld “Set current position for “****” border” and press the OK button to conf rm.

If you subsequently want to delete the set borders, switch to the “Reset border positions” field and press the OK button to confirm deletion of the borders. You can then set new values for the limits. Once you have set all the borders, press the BACK button.

Select Satellites - Tuner 1

Go to the “Select Satellites” line. Press the OK button.

The following on-screen display appears (example):

First Installation
Step 4: Tuner Configuration - Tuner 1
Select Satellite
1 19.2 E ASTRA 19.2 E
2 13.0 E HOTBIRD 13.0 E
3 42.0 E TURKSAT 42.0 E
4 23.5 E ASTRA 23.5 E
5 28.2 E ASTRA 28.2 E
6 5.0 E SIRIUS 4 5.0 E
7 7.0 E EUTELSAT W3A 7.0 E
8 9.0 E EUROBIRD 9 9.0 E
9 10.0 E EUTELSAT W1 10.0 E
Selected Satellite:
ASTRA 19.2 E

Here, select up to 64 satellites to be included in the signal on Tuner 1. Select the satellite you want and confirm your selection with the OK button. The selected satellites will be identified with a tick.

First Installation
Step 4: Tuner Configuration - Tuner 1
Select Satellite
1 19.2 E ASTRA 19.2 E
2 13.0 E HOTBIRD 13.0 E
3 42.0 E TURKSAT 42.0 E
4 23.5 E ASTRA 23.5 E
5 28.2 E ASTRA 28.2 E
6 5.0 E SIRIUS 4 5.0 E
7 7.0 E EUTELSAT W3A 7.0 E
8 9.0 E EUROBIRD 9 9.0 E
9 10.0 E EUTELSAT W1 10.0 E
Selected Satellite:
ASTRA 19.2 E

When you have selected the desired satellites, press the BACK button.

Configure Satellites

Go to the “Configure Satellites” line. Press the OK button.

The following on-screen display appears (example):

On the “Satellite” line select the satellite whose settings you wish to edit.

Satellite:

Select the desired satellite using the ◀▶ buttons. Alternatively you can press the OK button to view a list of all satellites which you have previously selected, then select the required satellites from this list.

LNB Type:

If your reception system does not have a universal LNB, use the ◀▶ buttons to select the LNB types that are used in your reception system. You can choose from the following LNB types:

- Universal
- Simple or
- User-def ned

Refer to the documentation for your LNB or seek assistance from a specialist engineer.

If you do not use a Universal LNB, press the OK button. You can now de f ne the settings for your LNB type (simple or user-def ned).

LNB Frequencies (MHz):

Enter the LNB frequencies (Low/High/Limit) using the number pad. Now use the OK button to save the new values.

Test-Transponder:

Select the “Test-Transponder” f eld. Here you can select a transponder for checking whether your settings are correct using the signal strength bar and signal quality bar.

If you have selected more than one satellite for Tuner 1, def ne the settings as just described for the f rst satellite, for the second satellite and for any other selected satellites.

When you have completed all settings for the selected satellites, press the BACK button.

When you have completed all settings for Tuner 1, press the (green) button.
If necessary, the receiver will automatically skip to the settings for the second tuner (assuming that for the second tuner you selected the type of connection “Separated” and set the signal con f guration to “Different from Tuner 1”). If this is the case, you should now de f ne the settings for the second tuner in the same way as you did for the f rst tuner.

Once you have completed the settings for both tuners and the satellites assigned to them, the receiver will automatically display the screen for the channel search. Continue the f rst installation with the “Channel Search” section.

LNB only

First Installation
Mon 16:17
Step 3: Tuner Configuration
Tuner 1: Single LNB
Tuner 2: Single LNB
OneCable System Used : No
Tuner 2 Connection type : Separated
Tuner 2 Signal Configuratio: Same with Tuner 1
Tuner 1 : Single LNB
Tuner 2 : Single LNB
Press OK to configure and select the reception system for tuner 1
BACK Cancel
Back
Forward to the next step

Press the (green) button.

Satellite:

Select the desired satellite using the buttons. Alternatively you can press the OK button to view a list of all stored satellites then select the required satellites from this list.

LNB Type:

If your reception system does not have a universal LNB, use the buttons to select the LNB types that are used in your reception system. You can choose from the following LNB types:

- Universal
- Simple or
- User-def ned

Refer to the documentation for your LNB or seek assistance from a specialist engineer.

If you do not use a Universal LNB, press the OK button. You can now de f ne the settings for your LNB type (simple or user-def ned).

LNB Frequencies (MHz):

Enter the LNB frequencies (Low/High/Limit) using the number pad. Now use the OK button to save the new values.

Test-Transponder:

Select the “Test-Transponder” f eld. Here you can select a transponder for checking whether your settings are correct using the signal strength bar and signal quality bar.

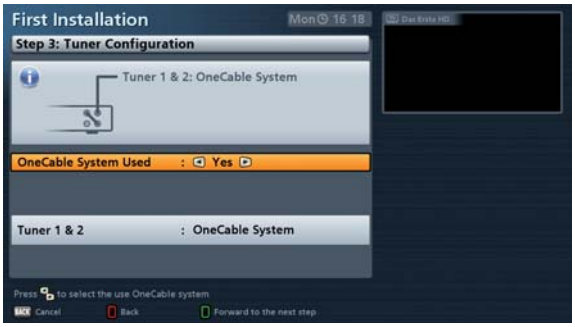
When you have completed all settings, press the (green) button.

The receiver will automatically display the screen for the channel search. Continue the f rst installation with the “Channel Search” section.

OneCable system

Select the “Yes” option using the buttons on the “OneCable System Used” line. Now go to the selection f eld “Tuner 1 & 2: OneCable System”.

Press the (green) button.


First Installation
Mon 16 18
Step 3: Tuner Configuration
Tuner 1 & 2: OneCable System
OneCable System Used : Yes
Tuner 1 & 2 : OneCable System
Press to select the use OneCable system
Cancel
Back
Forward to the next step

First Installation
Mon 16:19
Step 4: Tuner Configuration - Tuner 1
Configure System : EXR ... / EXU ...
Number of Satellites : 1
Satellite 1: 19.2 E ASTRA
Press OK to configure and select OneCable System
Cancel
Back
Forward to the next step

Refer to the documentation for your reception system or seek assistance from a specialist engineer.

In the reception system f eld select the OneCable system in use:

- EXR .../EXU ... For all Kathrein OneCable matrices
- UAS 481 For the Kathrein OneCable LNB UAS 481
- User-def ned For all OneCable systems not covered by the above

Refer to the documentation supplied with your system for the settings for the SCRs, frequencies and any PIN assigned to the tuner. Here, you will find a printed list showing the assignment between the various SCRs and the respective transmission frequencies. You may not be able to freely select the PIN for protection of individual frequencies; this also may be listed in the documentation for the one cable components.

Please note also that multiple receivers cannot share the same frequencies/ channels - the receivers would interfere with each other.

Do not assign the same frequencies/channels to Tuner 1 and Tuner 2.

Continue as described in the first installation for the type of single-cable reception you selected.

OneCable system - EXR .../EXU ...

Use the buttons to select "EXR .../EXU ..." on the "Configure System" line. Press the OK button.

First Installation
Mon 16:19
Step 4: Tuner Configuration - Tuner 1
Configure System : EXR ... / EXU ...
Number of Satellites : 1
Satellite 1: 19.2 E ASTRA
Press OK to configure and select OneCable System
BACK Cancel
Back
Forward to the next step

The following on-screen display appears:

First Installation
Mon 16:20
First Installation > #SCR Settings
MDU : No
Tuner 1 PIN-Code : 0
Tuner 1 : SCR(0)
Tuner 1 SCR Frequency : 1284 MHz
Tuner 2 PIN-Code : 0
Tuner 2 : SCR(1)
Tuner 2 SCR Frequency : 1400 MHz
Press to select the MDU
BACK Back

Saving channel with PIN code:

If your single-cable system allows the transmission frequency to be protected by inputting a PIN, this is the menu where that can be done. No other receiver can then use this transmission frequency unless the PIN is input.

Select "Yes". You can now enter a PIN code (0-255) on the next line "Tuner 1 PIN-Code" using the number pad.

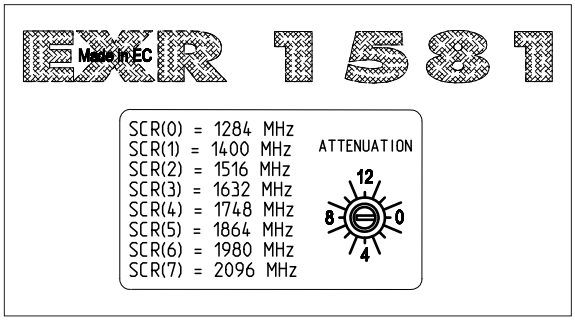
Tuner 1:

Select a free available transmission channel (SCR 0 - SCR 7).

Tuner 1 SCR Frequency:

Select here one of the free available transmission frequencies.

See example on the right (EXR 1581): Assignment of a transmission channel to a transmission frequency.



Define the settings for the second tuner in the same way as for the first tuner.

When you have completed all settings, press the BACK button.

Number of Satellites

Select the number of satellites present in the signal at Tuner 1 (two max.).

First Installation
Step 4: Tuner Configuration - Tuner 1
Configure System : EXR ... / EXU ...
Number of Satellites : 1
Satellite 1: 19.2 E ASTRA

Select the line “Satellite 1: .....”. To set or change the currently selected satellite,

press the OK button. The following on-screen display appears (example):

On the “Satellite” line select the satellite whose settings you wish to edit.

Satellite:

Select the desired satellite using the ◀▶ buttons. Alternatively you can press the OK button to view a list of all stored satellites then select the required satellites from this list.

LNB Type:

If your reception system does not have a universal LNB, use the ◀▶ buttons to select the LNB types that are used in your reception system. You can choose from the following LNB types:

- Universal
- Simple or
- User-def ned

Refer to the documentation for your LNB or seek assistance from a specialist engineer.

If you do not use a Universal LNB, press the OK button. You can now de f ne the settings for your LNB type (simple or user-def ned).

LNB Frequencies (MHz):

Enter the LNB frequencies (Low/High/Limit) using the number pad. Now use the OK button to save the new values.

Test-Transponder:

Select the “Test-Transponder” f eld. Here you can select a transponder for checking whether your settings are correct using the signal strength bar and signal quality bar.

When you have completed all settings for the selected satellites, press the BACK button.

If you have selected two satellites, con f gure the settings as just described for the f rst satellite for the second satellite.

When you have completed all settings, press the (green) button.

When you have completed all of the settings, you will automatically see the on-screen display for the channel search. Continue the f rst installation with the “Channel Search” section.

OneCable system - UAS 481

Use the buttons to select “UAS 481” on the “Conf gure System” line.

Press the OK button.

First Installation
Mon 16 22
Step 4: Tuner Configuration - Tuner 1
Configure System : UAS 481
Number of Satellites : 1
Satellite 1: 19.2 E ASTRA
Press OK to configure and select OneCable System
BACK Cancel
Back
Forward to the next step

The following on-screen display appears:

First Installation
Thu 00 00
.. TODO #SCR Settings
Tuner 1 : SCR(0)
Tuner 1 SCR Frequency : 1400 MHz
Tuner 2 : SCR(1)
Tuner 2 SCR Frequency : 1400 MHz
Press to select the SCR for Tuner 1
BACK Back

Tuner 1:

Select a free available transmission channel (SCR 0 - SCR 3).

Tuner 2:

Select a free available transmission channel (SCR 0 - SCR 3).

When you have completed all settings, press the BACK button.

Number of Satellites

Only one satellite can be received with the UAS 481. This setting cannot be altered.

Select the line “Satellite 1: .....”. To set or change the currently selected satellite,

press the OK button. The following on-screen display appears (example):

Satellite:

Select the desired satellite using the ◀ ▶ buttons. Alternatively you can press the OK button to view a list of all stored satellites then select the required satellites from this list.

Test-Transponder:

Select the “Test-Transponder” f eld. Here you can select a transponder for checking whether your settings are correct using the signal strength bar and signal quality bar.

When you have completed all settings for the selected satellites, press the BACK button.

When you have completed all settings, press the (green) button. The receiver will automatically display the screen for the channel search. Continue the f rst installation with the “Channel Search” section.

OneCable system - User-defined

Use the ◀▶ buttons to select "Userdef ned" on the "Con f gure System" line. Press the OK button.

First Installation
Thu 00:00
Step 4: Tuner Configuration - Tuner 1
Configure System : Userdefined
Number of Satellites : 1
Satellite 1: 19.2 E ASTRA
Press OK to configure and select OneCable System
BACK Cancel
Back
Forward to the next step

The following on-screen display appears:

First Installation
Thu 00:00
.. TODO #SCR Settings
MDU : No
Tuner 1 PIN-Code : 0
Tuner 1 : SCR(0)
Tuner 1 SCR Frequency : 1400 MHz
Tuner 2 PIN-Code : 0
Tuner 2 : SCR(1)
Tuner 2 SCR Frequency : 1400 MHz
Press to select the MDU
BACK Back

Saving channel with PIN code:

If your single-cable system allows the transmission frequency to be protected by inputting a PIN, this is the menu where that can be done. No other receiver can then use this transmission frequency unless the PIN is input.

Select "Yes". You can now enter a PIN code (0-255) on the next line "T uner 1 PIN Code" using the number pad.

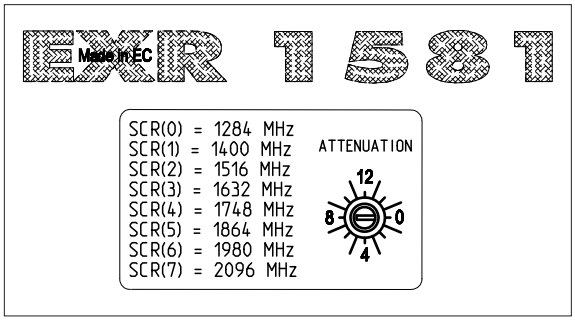
Tuner 1:

Select a free available transmission channel (SCR 0 - SCR 7).

Tuner 1 SCR Frequency:

Select here one of the free available transmission frequencies.

See example on the right (EXR 1581): Assignment of a transmission channel to a transmission frequency.



Define the settings for the second tuner in the same way as for the first tuner.

When you have completed all settings, press the BACK button.

Number of Satellites

Select the number of satellites present in the signal at Tuner 1 (two max.).

First Installation
Step 4: Tuner Configuration - Tuner 1
Configure System : Userdefined
Number of Satellites : 1
Satellite 1: 19.2 E ASTRA

Select the line “Satellite 1: .....”. To set or change the currently selected satellite,

press the OK button. The following on-screen display appears (example):

On the “Satellite” line select the satellite whose settings you wish to edit.

Satellite:

Select the desired satellite using the ◀▶ buttons. Alternatively you can press the OK button to view a list of all stored satellites then select the required satellites from this list.

LNB Type:

If your reception system does not have a universal LNB, use the ◀▶ buttons to select the LNB types that are used in your reception system. You can choose from the following LNB types:

- Universal
- Simple or
- User-def ned

Refer to the documentation for your LNB or seek assistance from a specialist engineer.

If you do not use a Universal LNB, press the OK button. You can now de f ne the settings for your LNB type (simple or user-def ned).

LNB Frequencies (MHz):

Enter the LNB frequencies (Low/High/Limit) using the number pad. Now use the OK button to save the new values.

Test-Transponder:

Select the “Test-Transponder” f eld. Here you can select a transponder for checking whether your settings are correct using the signal strength bar and signal quality bar.

When you have completed all settings for the selected satellites, press the BACK button.

If you have selected two satellites, conf gure the settings as just described for thef rst satellite for the second satellite.

When you have completed all settings, press the (green) button.

When you have completed all of the settings, you will automatically see the on-screen display for the channel search. Continue the f rst installation with the “Channel Search” section.

Channel search

If you do not wish to perform a channel search, press the (green) button and continue with the section “Date and time”.

If you wish to perform a channel search, use the buttons to select “Yes”.

The following on-screen display appears:

Country Select

Using the buttons, select whether the channels found after the search are to be sorted using a factory channel list for the selected country. Currently this feature is only available for Germany , Austria and Switzerland.

Satellite

Now use the buttons to choose between the individual satellites you have set up, or select the setting “All Satellites”. If “All Satellites” is selected, all the individual satellites you have set up will be searched for new channels. Make sure your reception system is aligned to this/these satellite(s).

Channel Search Mode

Use the buttons to select the type of channels you want to search for. You have three options:

- “free & scrambled” All channels are searched for
- “only free” Only free-to-air channels are searched for
- “only scrambled” Only encrypted channels are searched for

To view encrypted channels you need an appropriate CI (Common Interface) module and a valid Smartcard together with a valid subscription to the relevant Pay TV provider.

Network Search (NIT)

Use the ◀▶ buttons (On/Off) to select whether a network search should be performed. If you set the network search to "Off", only the factory default transponders for the satellite(s) you previously selected will be searched for new as yet unsaved channels. If you set the network search to "On", the transponder network enables additional transponders that have not yet been stored to be located. These are then stored and searched for new channels in the same way as the existing transponders.

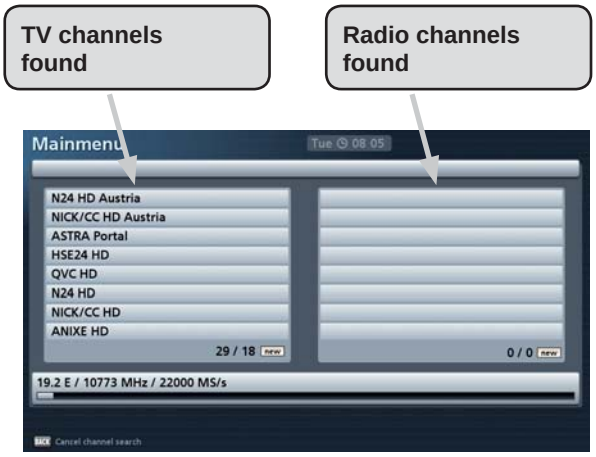
When you have completed all settings, press the (green) button. The following displays appear at first (example):

The receiver independently updates the ASTRA channel list *) (LCN list) stored in the device. This operation may take several minutes.

*) The ASTRA channel list is a channel list broadcast by ASTRA. It is used to update the channel list stored on the receiver. See also the Operating Instructions Part 2, section entitled "Mainmenu - Channel Search", "LCN (Update ASTRA channel list)".

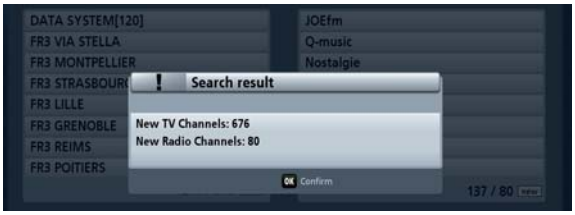
First Installation
Step 6: Channel Search
Execute channel search : Yes
Country Select : Germany
Please Wait...
The ASTRA channel list is being updated.

During the search you will see the following on-screen display (example):



Note:
You can cancel the search at any time by pressing the BACK button.

After completing the search, you will see the following on-screen display (example):



Press the OK button. The newly found channels are added at the end of the existing overall list.

Date and time

Set Local Time (time zone deviation)

Here you can select the local time of fset from UTC (formerly GMT) (e.g. for Germany: + 1 hour). You can set the deviation in 30-minute steps. The maximum deviation is 11 hours and 30 minutes (+ and -).

When you have completed the settings, press the (green) button, to complete the f rst installation.

If there have been changes to the ASTRA channel list, you will see the following on-screen display(s) (example):

Information
These new channels will be saved to your channel list (Note 170):
1020 Das Erste HD
1021 NDR FS NDS HD
1022 NDR FS SH HD
1023 NDR FS MV HD
1024 NDR FS HH HD
OK Edit TV-Channellist
BACK Cancel

If you do not want to edit the channel positions of new channels you can leave the corresponding screen by pressing the BACK button. The new channels will then be saved in the channel positions recommended by the receiver.

or:

Pressing the OK button takes you directly to the “Edit TV-Channellist” menu. If you wish to modify the channel list, please see Operating Instructions Part 2, section “Mainmenu - Edit TV-Channellist”.

Tip!

On completion of a successful first installation (TV picture can be seen) we recommend having the receiver search for any available software update. In order to do this, you must have selected (included in the selection) the satellite ASTRA 19.2° East in the first installation. Press the MENU button to switch to the Main menu. Use the ▲▼ buttons to select “Service Menu” and confirm by pressing the OK button. Now use the ▲▼ buttons to select “Software Update by Satellite” and then press the OK button to confirm. The receiver will now automatically start to search for new software. For information on the rest of the update process, refer to the section “Mainmenu”, “Service Menu”, “(Software) Update by satellite” in the Operating Instructions Part 2.

Tip!

Once the first installation has be successfully carried out you may change the channel list(s) as you wish. See Operating Instructions Part 2, section “Mainmenu - Edit TV-Channellist”.

Connection and setup

Network/Internet access

<u>An Internet connection is required for the use of the Red Bull MEDIA HOUSE PORTAL!</u>

These settings should not be defined unless the receiver is linked into a network (e.g. for Internet access) or is linked to a PC/laptop using a cross-over network cable.

Refer to our network function connection examples at the end of these instructions as well as the guidance we provide on this topic on the Internet at "www.kathrein.de" "Service" → "Software and Download" → "Receiver" → "UFS 924".

To connect the receiver to the network via the PC/laptop, you must have unrestricted rights (administrator rights) for your PC/laptop and on your network.

If you experience problems connecting the receiver to your network directly or via your PC/laptop, consult your PC or network specialist.

This menu can be found in the receiver under: Main menu - Interface set-up - Ethernet settings. After calling up the menu you will see the following on-screen display (example):

Mainmenu
Tue 08:16
Interface Setup ▸ Ethernet Settings
DHCP : On
Get IP Address
IP Address : 128 . 50 . 70 . 246
Subnet Mask : 255 . 255 . 0 . 0
Gateway : 128 . 50 . 1 . 1
DNS : 128 . 50 . 1 . 1
Test Connection
Save
Press to set DHCP
MENU Exit mainmenu
BACK Back
wirtschaft

The Ethernet interface used in the receiver is a 10/100 base T Ethernet interface.

If you want to connect your receiver to a DHCP server/router, use the ◀▶ buttons to select the "On" setting. If you wish to connect your receiver to a PC or laptop, the DHCP setting must be "Off".

DHCP "On" (DHCP server/router)

DHCP "Off" (Hub/Switch/Direct connection to PC or laptop)

Individual items are selected using the ▲▼ buttons. Changes to the current settings can be made using the ◀▶ buttons or the numeric keypad.

Mainmenu
Tue 08:16
Interface Setup ▸ Ethernet Settings
DHCP : On
Get IP Address
IP Address : 128 . 50 . 70 . 246
Subnet Mask : 255 . 255 . 0 . 0
Gateway : 128 . 50 . 1 . 1
DNS : 128 . 50 . 1 . 1
Test Connection
Save
wirtschaft

Use the ▲▼ buttons to select the “Get IP address” f eld and con f rm by pressing the OK button.

Your DHCP server/router now indicates the IP address to the receiver . As soon as the receiver has been assigned its IP address by the DHCP server (IP address is displayed), switch to the “Save” f eld and press the OK button to conf rm.

If no connection can be established between the receiver and DHCP server/router with the “DHCP On” setting, switch the setting to “DHCP Off” and define the setting as described for DHCP “Off”.

Mainmenu
Tue 08:17
Interface Setup ▸ Ethernet Settings
DHCP : Off
Get IP Address
IP Address : 128 . 50 . 9 . 231
Subnet Mask : 255 . 255 . 0 . 0
Gateway : 128 . 50 . 1 . 1
DNS : 192 . 168 . 10 . 65
Test Connection
Save

Def ne the settings for your network as required. When you have completed all the settings, switch back to the “Save” f eld and press the OK button to conf rm.

<u>Configuration example:</u>

Receiver:

IP address: 192.168.1.2
Subnet mask: 255.255.255.0

PC/Laptop:

IP address: 192.168.1.4
Subnet mask: 255.255.255.0

Connection and setup

Common Interface (CI)/Smartcard reader

Always follow the operating instructions from your Pay-TV provider and the instructions supplied with the Smartcard and the CA (Conditional Access) module!

Smartcards and CI modules are not included with this product!

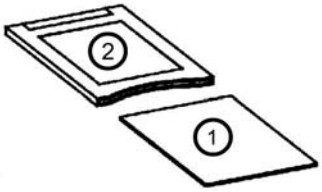
The cards and modules are issued by the respective Pay-TV providers, and contain the subscriber data and details of the channels for which the subscriber has paid. These channels are always scrambled.
Contact the Pay TV provider if you are interested in subscribing to a particular Pay TV channel.

You are responsible for the use of the Smartcard in the CI module!

The Smartcard sold by the Pay TV provider, specific to a particular encryption technology, is inserted into the CI module.

Store your card and PIN code securely when not in use!

Inserting the Smartcard and the CI Module



Inserting the CI module into the CI

The Common Interface (CI+) (3) of the UFS 924 is suitable for the use of two CI modules. It is located on the front of the receiver (under the f ap). The CI module (2) accepts the Smartcard (1) (chip contacts pointing upwards and towards the socket board) and is then inserted in the CI+ insert position (3). The Smartcard should be inserted into the CI module without exerting excessive force. The same applies to inserting the CI module into the CI+ insert position.

Do not use excessive force and follow the instructions supplied with the Smartcard and the CI module.

To remove the CI module press the corresponding ejection button (4) and pull it straight out backwards.

Troubleshooting

In the event of a malfunction, first check all the cable connections and operating states:

1. Receiver and TV set power plugs are connected to wall socket
2. Antenna cables are connected to the receiver input
3. Receiver and TV set correctly connected by a HDMI or Scart cable
4. Audio connections are made to Hi-Fi or Dolby Digital system as appropriate
5. Receiver and TV set (Hi-Fi/Dolby Digital system) are switched on (check power indicators)
6. Receiver is responding to remote control

A selection of troubleshooting tips is offered below.

Problem	Cause	Remedy
A “No signal!” warning appears on some or all channels		Consult an antenna specialist to have it checked and repaired as necessary Check the settings made in the “Settings”, “Antenna & Satellite”, “Tuner Conf guration” menu, and change them if necessary.
Receiver no longer responds to the remote control	The batteries may be f at or inserted incorrectly in the battery compartment	Check the batteries (see also “Inserting batteries into the remote control” in the Operating Instructions Part 1)
	Receiver or remote control command set may have been unintentionally changed	Set infrared code 1 as described in these operating instructions under “Mainmenu settings”, “Basic Settings”, “Setting the remote control code”
Wrong time is displayed	“Summertime” setting wrong. An incorrect time was imported from the reception signal	Under “Settings”, “Basic Settings”, “Time Setting” in the menu, check the set time deviation to UTC and change as necessary. Use the power switch to switch the receiver of f from the current channel, e.g. Das Erste or ZDF, wait 10 seconds and then switch it back on
The following channels cut out or “No or bad signal!” appears: Sport 1, Tele 5, HSE 24 and Sonnenklar TV	DECT telephones operate on the same frequency as these channels. Interference may occur due to inadequate output level or poor shielding of cable	Consult your antenna specialist
Black or blue screen, no on-screen displays	Scart connection to TV deactivated by accidentally pressing the 0 button	Keep pressing 0 button until TV picture reappears on-screen

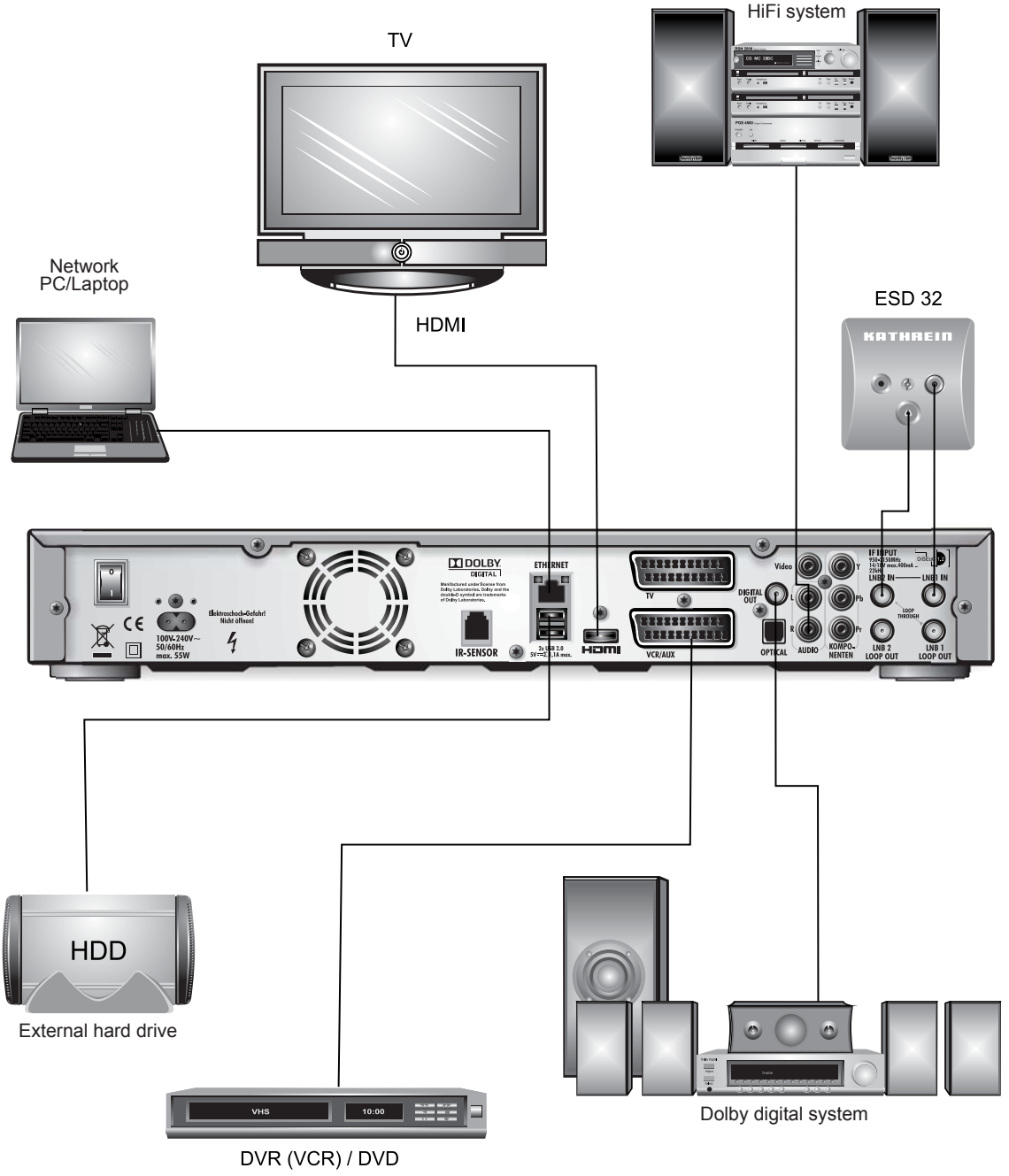
Troubleshooting

Network problem	No connection to the network possible	Check that the (cross-over) network cable is correctly connected (clicked home) (receiver, router, etc.) Refer to your PC or network specialist
HbbTV service is not available	The selected channel is not provided by HbbTV.	Select a channel/transmitter that is provided by HbbTV (e.g. ARD or ZDF)
	Internet connection is not available	Check that the (cross-over) network cable is correctly connected (clicked home) (receiver, router, etc.) Refer to your PC or network specialist

Service

If, despite studying these operating instructions, you still have questions about getting started with the unit or using it correctly, or if unexpected problems occur, please contact your specialist dealer.

Advanced connection example



Technical Appendix

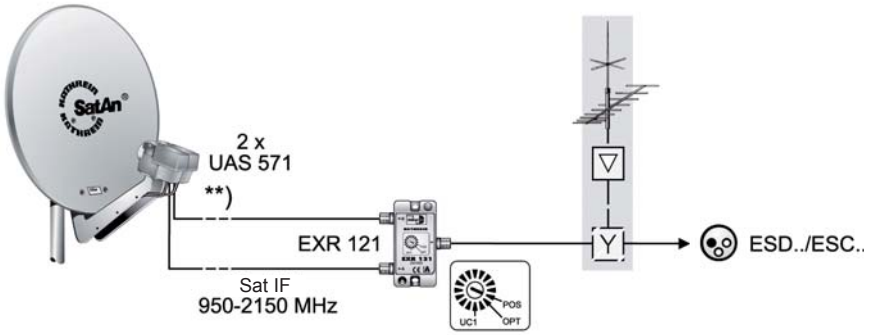
Technical data

Type		UFS 924/1000 GB		UFS 924/500 GB	
Order no.		20210206	20210207	20210208	20210209
Colour		Silver	Black	Silver	Black
RF section					
Sat IF band	(MHz)	950-2150			
Input level range	dBµV	44-83			
Modulation, FEC, demultiplexer		DVB-S/DVB-S2 standard			
Video resolution		CCIR 601 (720 x 576 rows), 576p, 720p, 1080i, 1080p			
Video decryption		MPEG-2, MPEG-4/H.264, Xvid			
Input data rate	MSymb/s	2-45 (30 for DVB-S2/8PSK)			
S/N	d)	> 53			
TV system Audio					
Decryption		AC 3, MPEG-1, Layer 1, 2 and 3 (MP3)/HE-AAC			
Sampling rate	(kHz)	32/44.1/48			
S/N	dB	> 65			
Hard disk recorder					
Capacity	GByte	1000		500	
Recording time	hrs	Approx. 600 hours for SDTV, approx. 200 for HDTV (depending on data rate and change of picture content)		Approx. 300 hours for SDTV, approx. 100 for HDTV (depending on data rate and change of picture content)	
Power supply					
Power supply voltage	V/Hz	230/50-60			
Power consumption (max./typ. operation/standby)	W	< 75/typ. 22/< 0.5			
LNB supply (horiz./vert.)	V/mA	14/18; max. 400			
Control signal	kHz	22; DiSEqCTM1.0/-1.1/-1.2/USALS, SCR single cable (EN 50 494)			
Connections					
Sat IF input		4 x F sockets			
TV/VCR connection		2 x Scart sockets			
Video output (analogue)		3 x Cinch sockets (YPbPr)/1 x Cinch socket			
Video/audio output (digital)		1 x HDMI			
Audio output (analogue)		2 x Cinch socket			
Audio output digital (optical/electrical)		Standard f bre-optic (S/PDIF)/1 x Cinch socket			
Common Interface/encryption system		For 2 CI+/CI modules			
Data interface					
USB/Ethernet/SD card reader		3 x 2.0/1/1			
General					
Ambient temperature	°C	Max. +5 to +40			
Unit dimensions (W x H x D)	mm	435 x 67 x 273			
Weight	kg	3.6			

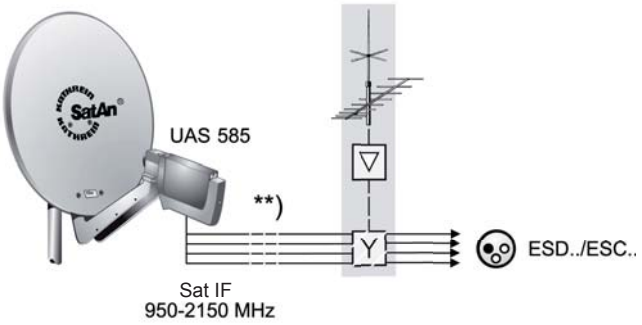
Technical Appendix

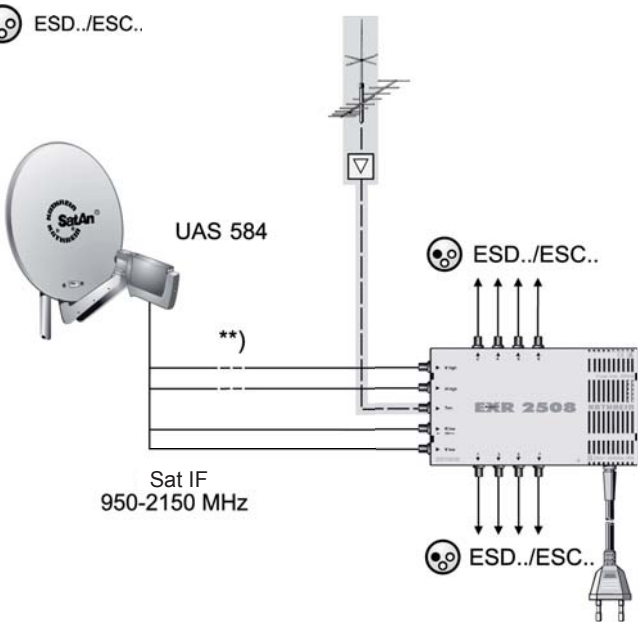
Sat IF connection examples

Individual reception systems



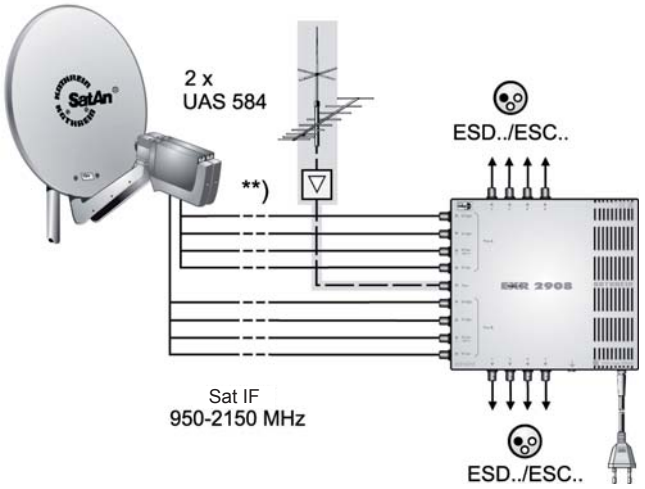
Community antenna network systems (4 x Sat IF)



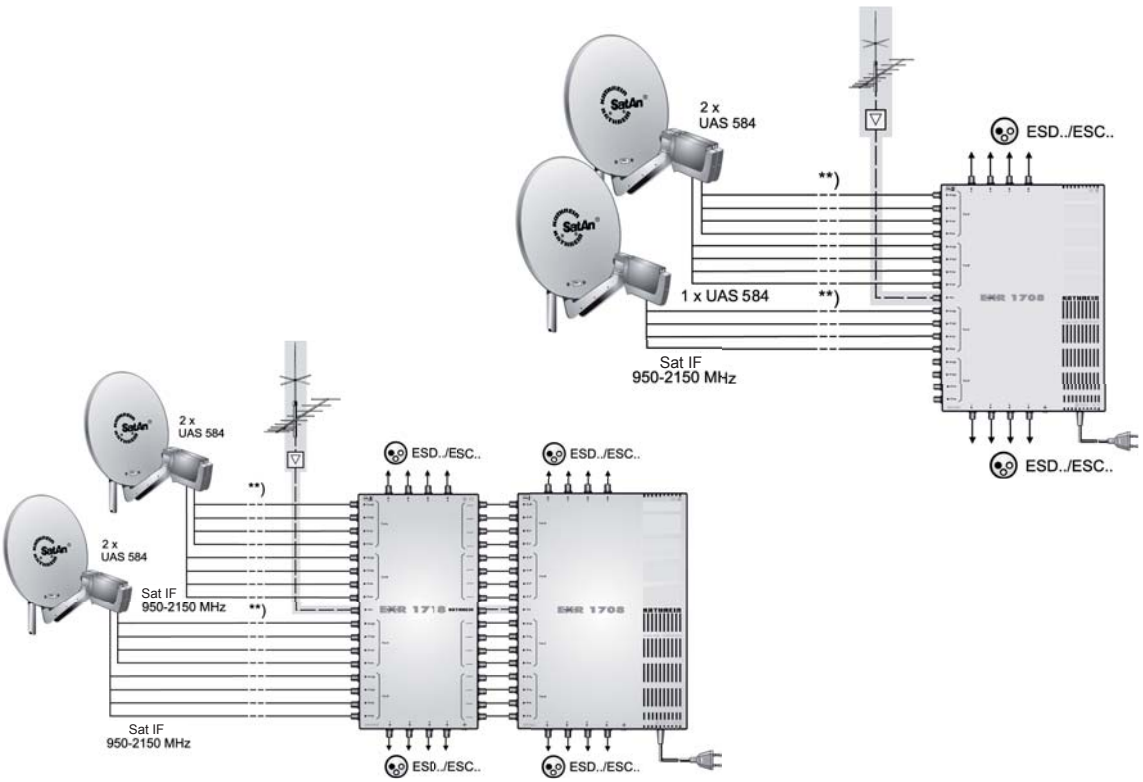


**) Overvoltage protection KAZ 11/KAZ 12

Community antenna systems (8 x Sat IF), Multifeed

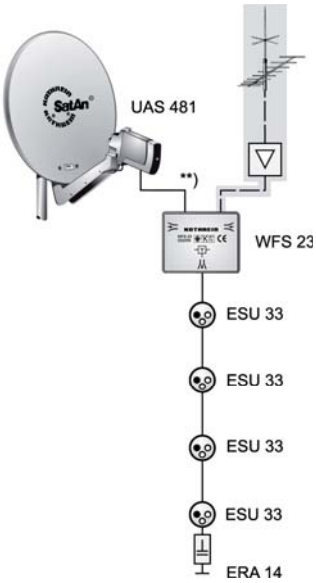


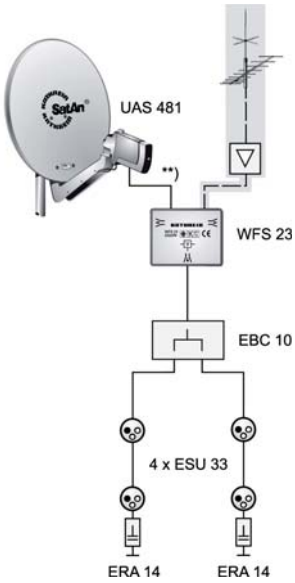
Community antenna systems (16 x Sat IF), Multifeed

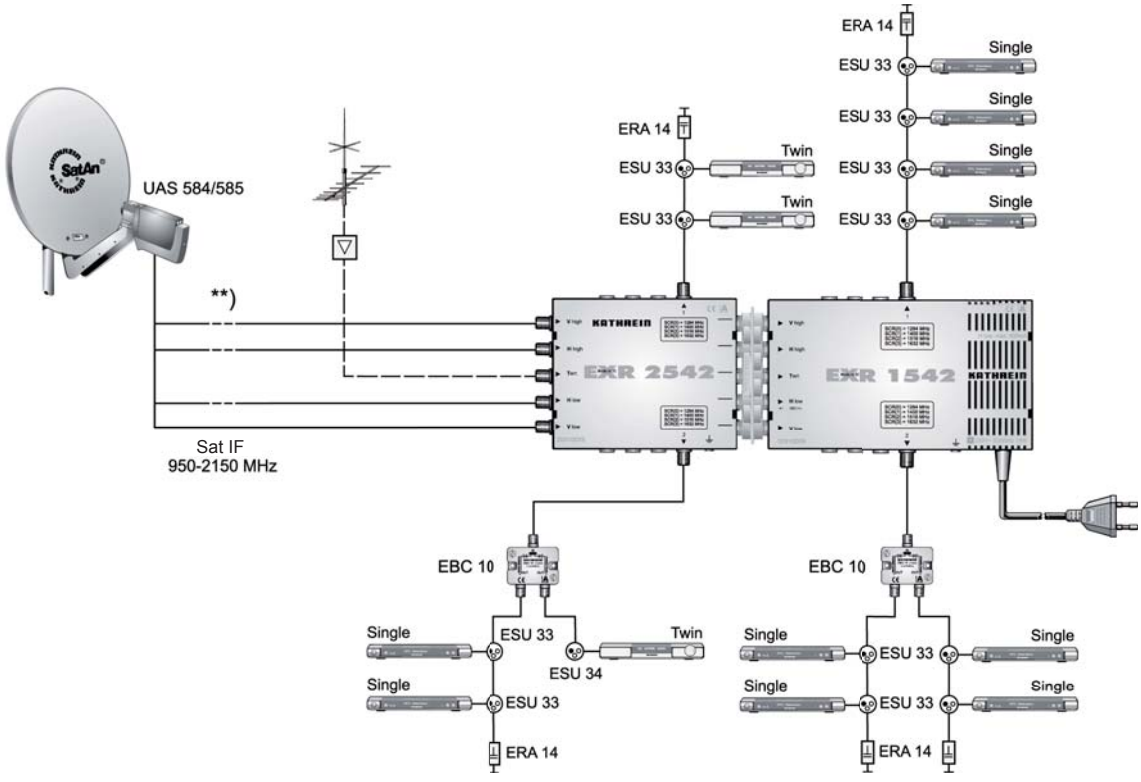


**) Overvoltage protection KAZ 11/KAZ 12

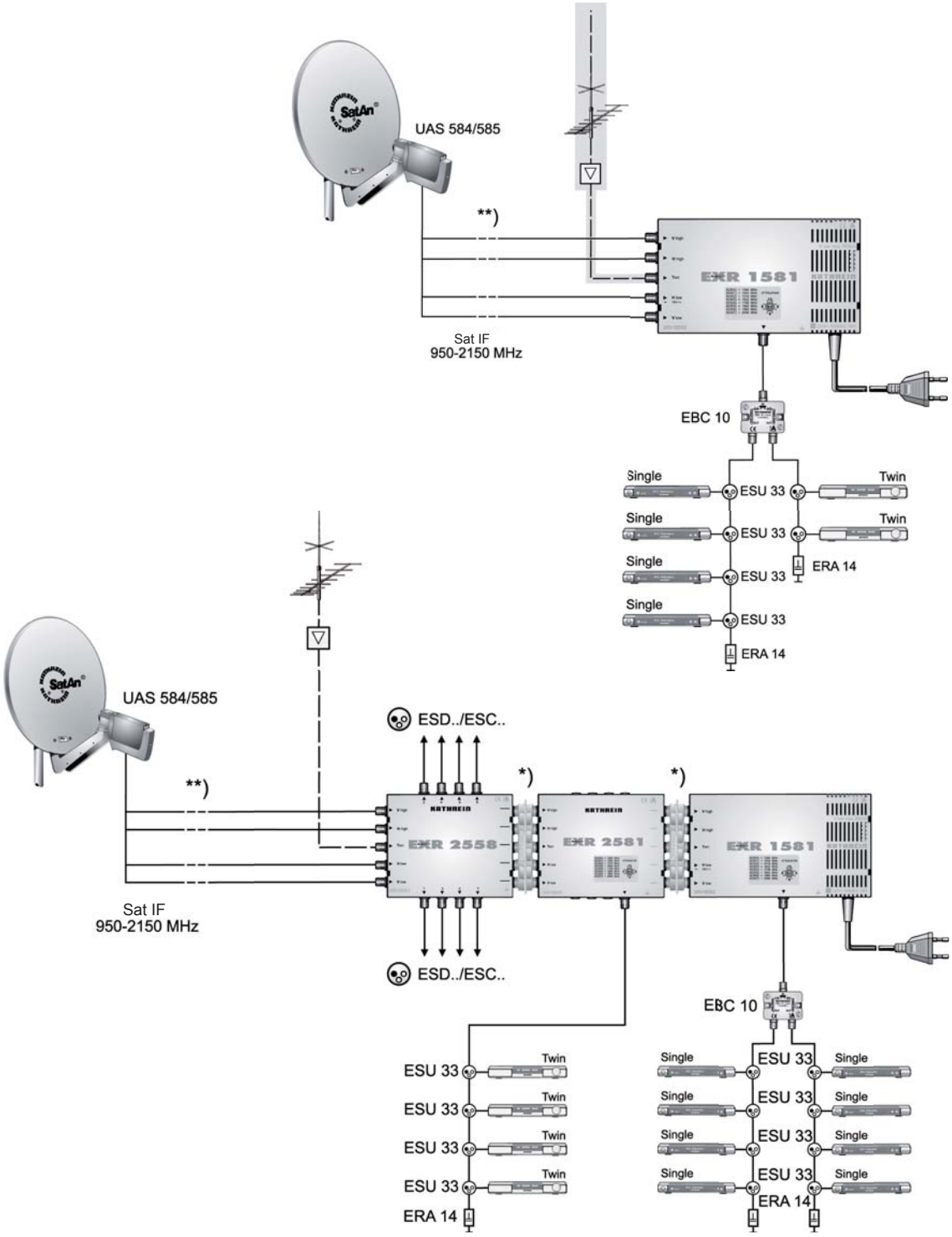
Single cable systems







**) Overvoltage protection KAZ 11/KAZ 12

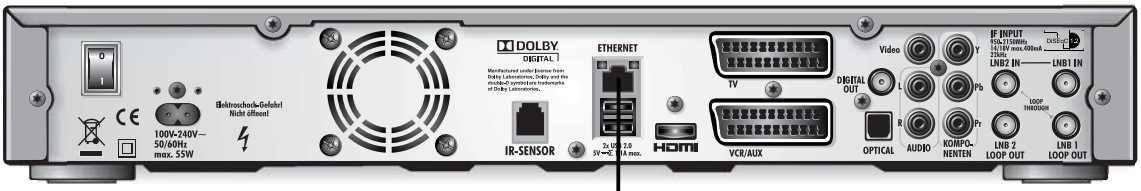


**) Overvoltage protection KAZ 11/KAZ 12

Connection Examples for the Network Function

DHCP (Receiver): ON

UFS 924



TCP/IP address: automatic

Internet

DHCP server, router (e.g. FRITZ!Box)

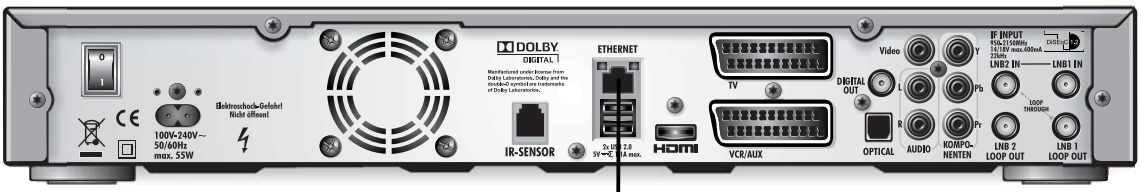
Network cable

Radio link

PC/Laptop

DHCP (Receiver): ON

UFS 924



TCP/IP address: automatic

Internet

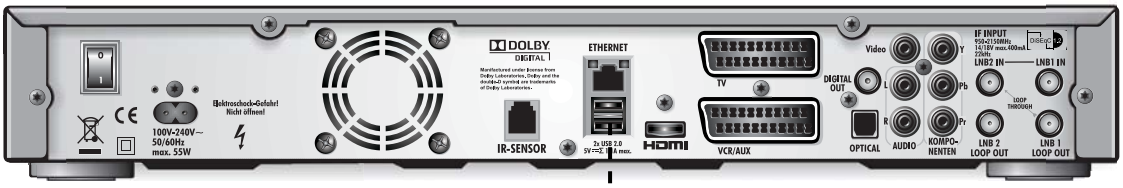
DHCP server, router (e.g. FRITZ!Box)

Network cable

Radio link

PC/Laptop

DHCP (Receiver): ON



TCP/IP address: automatic

UFZ 130 *)
WLAN/USB adapter
BN 20410041

(Radio connection is only possible with UFZ 130)

Radio link

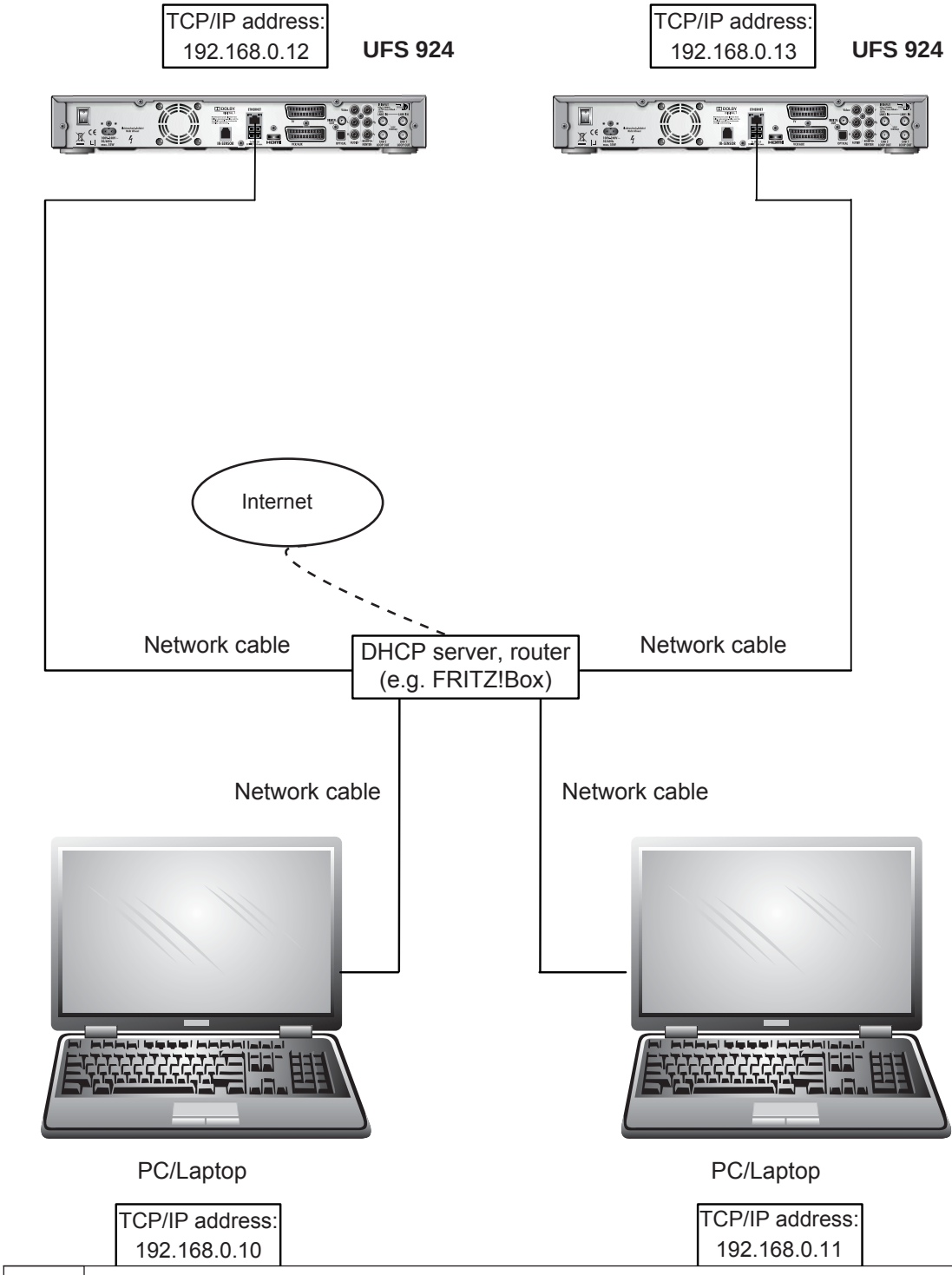
*) The WLAN/USB adapter UFZ 130 is not included in the receiver package.

DHCP server, router (e.g. FRITZ!Box) — Internet

Radio link

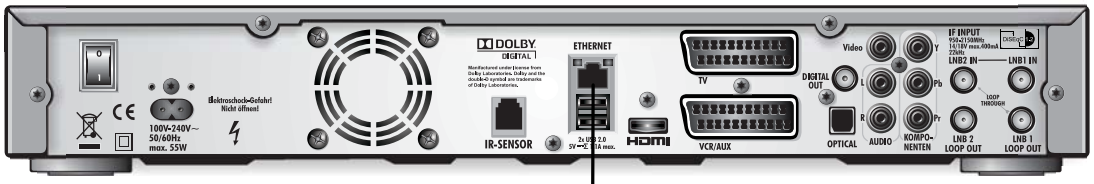
PC/Laptop

DHCP (Receiver): OFF



DHCP (Receiver): OFF

UFS 924



TCP/IP address:
192.168.0.12

Network cable

Internet

Switch/HUB

Network cable

Network cable

PC/Laptop

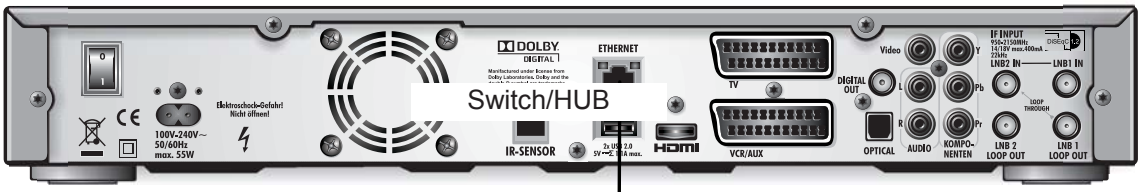
TCP/IP address:
192.168.0.10

PC/Laptop

TCP/IP address:
192.168.0.11

DHCP (Receiver): OFF

UFS 924



IP address:
192.168.0.11

Cross-over network cable

IP address:
192.168.0.10

PC/Laptop

For your notes

For your notes

For your notes

Internet: www.kathrein.de

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